

**Notice of Allowability**

Application No.

10/725,824

Examiner

Jermele M. Hollington

Applicant(s)

ELDRIDGE ET AL.

Art Unit

2829



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on Jan. 27, 2005.
2. ☒ The allowed claim(s) is/are 25-39.
3. ☒ The drawings filed on 01 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

Jermele M. Hollington  
Patent Examiner  
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## **DETAILED ACTION**

### ***Oath/Declaration***

The examiner would like to acknowledge the receipt of the supplemental Oath or Declaration.

### ***Allowable Subject Matter***

1. Claims 25-39 are allowed over the prior art.
2. The following is an examiner's statement of reasons for allowance: regarding claim 25, the primary reason for the allowance of the claim is due to an apparatus for supplying current to a device under test (DUT) comprising, in combination with other limitations, an inductive sensor connected to sense current flow to the a power output terminal and an amplifier for providing current to the power output terminal, the amplifier connected to an auxiliary power supply to supply power to the power output terminal. Since claims 26-31 depend from claim 25, they also have allowable subject matter.

Regarding claim 32, the primary reason for the allowance of the claim is due to an apparatus for supplying current to a device under test (DUT) comprising, in combination with other limitations, a current pulse generation circuit having an output connected to a power output terminal, the current pulse generation circuit having power supplied from an auxiliary power supply input terminal and a control input terminal and a feedback circuit having an input connected to the current pulse generation circuit to control the magnitude of current supplied at the output of the current pulse generation circuit. Since claims 33-38 depend from claim 32, they also have allowable subject matter.

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Regarding claim 39, the primary reason for the allowance of the claim is due to an apparatus for supplying current to a device under test (DUT) comprising, in combination with other limitations, a means for adjusting the magnitude of a signal received at a power supply input terminal to provide at a power supply output terminal in response to a voltage appearing at the power supply output terminal, wherein the magnitude is set proportional to a predicted amount by which the semiconductor device will increase its demand for current at the power supply output terminal following a clock edge of a signal received by the DUT.

The closest prior art to the claimed invention is Eldridge et al (6657455). However, the Examiner was unable to use the prior art since the claimed invention of this application is an improvement and continuation of Eldridge et al (6657455).

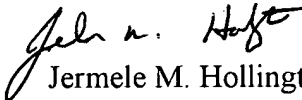
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jermele M. Hollington whose telephone number is (571) 272-1960. The examiner can normally be reached on M-F (9:00-4:30 EST) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (517) 272-2034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Jermele M. Hollington  
Patent Examiner  
Art Unit 2829

JMH  
March 28, 2005